Amendments to the Claims:

This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1-2 (Canceled)

3 (Currently Amended): [[The]] A method of designing a redox flow battery system according to Claim 2, which comprises comprising the steps of:

determining an average value of output distribution of the redox flow battery for smoothing the output of power generation of [[the]] generating equipment that varies irregularly in output of power generation, and [[the]] a standard deviation, and

determining [[the]] at least one of [[the]] a specified output of battery, [[the]] number of batteries, [[the]] specified output of the DC/AC converter for converting the battery output, and [[the]] number of DC/AC converters for converting the battery output, based on the average value and the standard deviation.

4 (Original): The method of designing a redox flow battery system according to Claim 3, wherein the specified output of the DC/AC converter is set to be in the range of not less than 1 time to not more than 4 times of the standard deviation.

5 (Original): The method of designing a redox flow battery system according to Claim 3, wherein the specified output of the battery is set to be in the range of not less than 0.7 time to not more than 2 times of the standard deviation.